



**VOLUNTARY REMEDIATION PROGRAM
DEPARTMENT OF ENVIRONMENTAL MANAGEMENT**

PROJECT SUMMARY

Site Name:	ITW/Ransburg
Applicant's Name:	Illinois Tool Works, Inc.
Site Location:	3939 W. 56 th Street Indianapolis Marion County
VRP Site Number:	6950201
Project Manager:	Richard Harris
Date Application Received:	February, 1995
Date Project Completed:	September, 1996
Project Duration:	1 year, 7 months
Contaminant Group(s):	Volatile Organic Compounds (VOCs)
Media Cleaned Up:	Subsurface Soil
Cleanup Goals Achieved:	Tier II Nonresidential
Deed/Land Use Restrictions:	Nonresidential

Project Description: The site was established in 1928 to manufacture surface coating and finishing systems, industrial parts balancing equipment, static control equipment, and assembly machines. As part of the operation, two underground storage tanks (USTs), one containing toluene and the other containing diesel fuel, were located adjacent to the facility.

Illinois Tools Works entered the VRP to obtain formal closure when an investigation conducted following removal of the two USTs indicated that contamination persisted in the soil. A soil vapor extraction (SVE) pilot test was performed to determine the feasibility of SVE as a remediation technology to treat the contamination. The study revealed that soils were very impermeable because of their high clay content. Based on these findings, a remedial approach was developed consisting of removing the affected soils, breaking the soils up, increasing the soil permeability with wood chips, placing the soil back in the lined excavation, and installing an SVE system to treat the impacted soil.

During the two years of SVE system operation, effluent samples were collected from the moisture separator to monitor the system progress. In order to verify that the remediation of impacted soils was

complete, confirmation samples were collected and analyzed for VOCs. All constituents were below Tier II nonresidential criteria.